

Call for Papers

Special Issue: New Genomics Technology and Applications

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Over the past 20 years, genomics technology evolutions have drastically transformed biomedical researches. Powerful genomics tools have enabled whole-genome gene expression analysis, genotyping of millions of genetic markers in hundreds and thousands individuals, and ultimately the complete genome sequencing of many organisms.

Since its inception in 1987, *Genomics* has witnessed the rapid development of the genomics field and its profound impact on other biomedical researches. For this special issue, we invite submissions that deal with exciting new genomics technology and applications. Topics include (but are not limited to) the following:

- (1) Next-gen sequencing: Cancer genome sequencing, targeted sequencing, somatic mutation detection and functional characterization; sequencing sample preparation; and data analysis.
- (2) Single cell genomics: Gene expression profiling and genetic analysis (e.g. chromosomal aberration and somatic mutation analysis) in rare cells such as circulating tumor cell and cancer stem cell; reproductive applications.
- (3) Translational applications: Disease mechanism study; integrated analysis (mRNA, miRNA, DNA polymorphism and mutation, methylation, copy number analysis); biomarker discovery and validation; clinical implementation.

Important Dates:

Deadline for paper submissions: January 30, 2011

Deadline for final revised version: April 30, 2011

Expected publication: August 2011

Submission Guidelines

All manuscripts and any supplementary material should be submitted through Elsevier Editorial System located at:

<http://ees.elsevier.com/geno/>

Authors must select << **New genomic technologies** >> at the first step of "Select Article Type" during submission to ensure that the manuscript is correctly identified for inclusion into this special issue. Guide for Authors or other instructions could be also found on the website.